

DAFTAR PUSTAKA

- Alenzi, F.Q.B. 2004. Links Between Apoptosis, Proliferation, and The Cell Cycle. *British Journal of Medical Science*, 61 (2) : 1-3.
- Aluko, R. 2012. *Functional Foods and Nutraceuticals*. Springer Science+Business Media LLC. New York. 37.
- Aulanni'am, A. Rosdiana dan N.L. Rahma. 2011. Potensi Ekstrak Etanol dan Etil Asetat Rumput Laut Coklat (*Sargassum duplicatum* Borry) Terhadap Penurunan Kadar Malondialdehid dan Perbaikan Gambaran Histologis Jejunum Usus Halus Tikus IBD (*Inflammatory Bowel Disease*). *Jurnal Ilmiah Kedokteran Hewan*, 4 (1) : 57-64.
- Badyal, D.K., H. Lata, and A.P. Dadich. 2003. Animal Models of Hypertension And Effect of Drugs. *Indian Journal of Pharmacology*, 35 : 353.
- Berridge, M.J. 2012. *Cell Signaling Biology*. Portland Press Limited, 1–2.
- Beswick, R.A., A.M. Dorrance, R. Leite, R.C. Webb. 2001. NADH/NADPH Oxidase and Enhanced Superoxide Production in the Mineralocorticoid Hypertensive Rat. *Hypertension*, 38 : 1107, 1109-1110.
- Bolterman, R.J., M.C. Manriquez, M.C.O. Ruiz, L.A. Juncos, and J.C. Romero. 2005. Effects of Captopril on the Renin Angiotensin System, Oxidative Stress, and Endothelin in Normal and Hypertensive Rats. *American Heart Association Journal (Abstr)*, 46 : 943.
- Budiman, B.J dan A. Hafiz. 2012. Epistaksis dan Hipertensi : Adakah Hubungannya. *Jurnal Kesehatan Andalas*, 1(2) : 77.
- Callera, G.E., R.C. Tostes, A. Yogi, A.C.I. Montezano, and R.M. Touyz. 2006. Endothelin-1-Induced Oxidative Stress in DOCA-salt Hypertension Involves NADPH-Oxidase-Independent Mechanisms. *Clinical Science*, 110 : 244.
- Carrasco, J.L.M., S. Zambrano, A.C. Blanca, A. Mate, and C.M. Vazquez. 2010. Captopril Reduces Cardiac Inflammatory Markers in Spontaneously Hypertensive Rats by Inactivation of NF- κ B. *Journal of Inflammation*, 7 : 2.
- Carrasco, J.L.M., S. Zambrano, A.C. Blanca, A. Mate, and C.M. Vazquez. 2010. Captopril Reduces Cardiac Inflammatory Markers in Spontaneously Hypertensive Rats by Inactivation of NF- κ B. *Journal of Inflammation (Abstr.)*, 7 : 1.

- Cavanagh, E.M.V., F. Inserra, L. Ferder, and C.G. Fraga. 2000. Enalapril and Captopril Enhance Glutathione-Dependent Antioxidant Defenses in Mouse Tissues. *American Journal of Physiology*, 278 (3) : R573.
- Champagne, M.J., P. Dumas, S.N. Orlov, M.R. Bennett, P. Hamet, and J. Tremblay. 1999. Protection Against Necrosis but Not Apoptosis by Heat-Stress Proteins in Vascular Smooth Muscle Cells Evidence for Distinct Modes of Cell Death. *American Heart Association Journal* (Abstr), 33 : 1.
- Chen, D.D., Y.G. Dong, H.Yuan, and A.F. Chen. 2012. Endothelin 1 Activation of Endothelin A Receptor/NADPH Oxidase Pathway and Diminished Antioxidants Critically Contribute to Endothelial Progenitor Cell Reduction and Dysfunction in Salt-Sensitive Hypertension. *Hypertension*, 59 : 1037.
- Choi, J., L. Sabikhi, A. Hassan, S. Anand. 2012. Bioactive Peptides in Dairy Products. *International Journal of Dairy Technology* (Abstr.), 65(1) : 1.
- Cipierre, C., S. Haÿs, D.M. Boulch, J.P. Steghens, and J.C. Picaud. 2013. Malondialdehyde Adduct to Hemoglobin: A New Marker of Oxidative Stress Suitable for Full-Term and Preterm Neonates. *Oxidative Medicine and Cellular Longevity*, 2013 : 1.
- Ciptaningsih, E. 2012. Uji Aktivitas dan karakteristik Fitokimia Pada Kopi Luwak Arabika dan Pengaruhnya terhadap Tekanan Darah Tikus Normal dan Tikus Hipertensi [Tesis]. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Indonesia.
- Clark, R.K. 2005. *Anatomy and Physiology : Understanding The Human Body*. Jones and Bartlett Publishers, United States of America, 41- 42.
- Contreras, M.M., R. Carro'n, M.J. Montero, M. Ramos, and I. Recio. 2009. Novel Casein-Derived Peptides With Antihypertensive Activity. *International Dairy Journal*, 19 : 567.
- Contreras, M.M., M.A. Sevilla, J.M. Ruiz, L. Amigo, B.G. Sala, E. Molina, M. Ramos, and I. Recio. 2011. Food-Grade Production Of An Antihypertensive Casein Hydrolysate And Resistance Of Active Peptides To Drying And Storage. *International Dairy Journal*, 21 (7) : 470-476.
- Covarrubias,L., D.H. Garcia, D. Schnabel, E.S. Vidal, and S.C. Obregón. 2008. Function Of Reactive Oxygen Species During Animal Development : Passive or Active?. *Developmental Biology*, 320 (1) : 5-6.

- Dahl, L.K. 2005. Possible role of salt intake in the development of essential hypertension. *International Journal of Epidemiology*, 34 : 967–972.
- Danquah, M.K. and D. Agyei. 2012. Pharmaceutical applications of bioactive peptides. *OA Biotechnology*, 1(2) : 1.
- Dornas, W.C. and M.E. Silva. 2011. Animal Models For The Study Of Arterial Hypertension. *Journal Bioscience*, 36 : 4.
- Doggrell, S.A., and L. Bown. 1998. Rat Models Of Hypertension, Cardiac Hypertrophy and Failure. *Cardiovascular Research*, 39 : 91.
- Dufton, J. 2011. The Pathophysiology and Pharmaceutical Treatment of Hypertension. Pharmaceutical Education Consultant. South Carolina. 1-4.
- Dubey, R.K., Z. Oparil, B. Jackson, and K. Edwin. 2002. Sex hormones and hypertension. *Cardiovascular Research*, 53 : 688.
- Elmore, S. 2007. Apoptosis : A Review Of Programmed Cell Death. *Toxicology Pathology*, 35 : 495-498.
- Ezzeldin, E. and H.I. Ahmed. 2012. Evaluation Of Pharmacokinetics And Liver Function Evaluated In Rats Following The Co-Administration Of Captopril And Ciprofloxacin. *International Journal of Pharmacy*, 2(2) : 244.
- Fiette, L. and M. Slaoui. 2011. Necropsy and Sampling Procedures in Rodents. *Methods in Molecular Biology*, 691 : 48-49.
- Gray, H.H., K.D. Dawkins, J.M. Morgan, and I.A. Simpson. 2002. *Lecture Notes on Cardiology*. Fourth Edition. Blackwell Science Ltd. United Kingdom. 57-60, 62-64.
- Gutiérrez, Y.P., A.P. Gutiérrez, A.R. León, and K.C. Garcia. 2013. Role Of Oxidative Stress in The Pathogenesis Of Hypertension. *Journal of Cardiocentro Ernesto Che Guevara*, 6 (2) : 182-188.
- Guyton, A.C. and Hall, J.E., 2006. Textbook of Medical Physiology. 11th ed. Philadelphia, PA, USA: Elsevier Saunders.
- Hanna, P. 2008. Necropsy Technique. Atlantic Veterinary College 152 : 2.

- Heel, R.C., R.N. Brogden, T.M. Speight, and G.S. Avery. 1980. Captopril : A Preliminary Review of its Pharmacological Properties and Therapeutic Efficacy. *ADIS Press Australasia Pty Ltd., Auckland*. 20 : 409-452.
- Hengel, K.V.D. 2008. Abdominal Aortic Wall Thickness And Compliance : The possibilities to measure and the effect of variation in the analysis of aneurysms [M.Medical Engineering. Tesis]. University Medical Centre Maastricht. University of Technology Eindhoven.
- Hernawati. 2008. Sistem Renin-Angiotensin-Aldosteron: Perannya Dalam Pengaturan Tekanan Darah Dan Hipertensi. Fakultas Pendidikan Matematika Dan Ilmu Pengetahuan Alam. Universitas Pendidikan Indonesia.
- Hilsdorf, A.W., and J.E. Krieger. 1999. Characterization Of Six Rat Strains (*Rattus norvegicus*) by Mitochondrial DNA Restriction Fragment Length Polymorphism. *Brazilian Journal of Medical and Biological Research*, 32 : 267.
- Instruksi Kerja Pengukuran Tekanan darah Metode *Tail Cuff* (Fakultas Kedokteran UGM, Yogyakarta). 2005. 1 : 5
- Intengan, H.D., and E.L. Schiffrin. 2001. Vascular Remodelling in Hypertension : Roles of Apoptosis, Inflammation, and Fibrosis. *American Heart Association Journal*, 38 : 581-582.
- Jimenez, R., R.L. Sepúlveda, M. Kadmiri, M. Romero, R. Vera, M. Sánchez, F. Vargas, F. O'Valle, A. Zarzuelo, A., Dueñas, M., Buelga, C.S., and Duarte, J. 2007. Polyphenols Restore Endothelial Function In DOCA-Salt Hypertension: Role Of Endothelin-1 And NADPH Oxidase. *Free Radical Biology & Medicine*, 43 : 463.
- Johnson, O.A. and I.G. Joshua. 2001. Decreased Influence of Nitric Oxide on Deoxycorticosterone Acetate (DOCA)–Salt Hypertension. *American Journal of Hypertension*, 14 : 387–389.
- Kandlikar, S.S. and G.D. Fink. 2011. Mild DOCA-Salt Hypertension: Sympathetic System And The Role Of Renal Nerves. *American Journal Physiology Heart Circulation*, 300(5): H1781–H1787.
- Kim, J.H., H. Kim, Y.H.Kim, W.S. Chung, J.K. Suh, and S.J. Kim. 2013. Antioxidant Effect of Captopril and Enalapril on Reactive Oxygen Species-Induced Endothelial Dysfunction in the Rabbit Abdominal Aorta. *Korean Journal of Thorac Cardiovascular Surgical*, 46 : 15,18.

- King, R.S. and P.A. Newmark. 2012. The Cell Biology of Regeneration. *Journal of Cell Biology*, 196 (5) : 553.
- Kohan, D.E. 2010. Endothelin, Hypertension, and Chronic Kidney Disease: New Insights. *Current Opinion in Nephrology Hypertension*, 19(2) : 134 – 139.
- Korhonen, H. and P. Anne. 2006. Bioactive peptides: Production and functionality. *International Dairy Journal*, 16 : 946.
- Kojšova, S., L. Jendeková, J. Zicha, J. Kuneš, R. Andriansitohaina, and O. Pecháňova. 2006. The Effect of Different Antioxidants on Nitric Oxide Production in Hypertensive Rats. *Physiological Research*, 55 : S9.
- Kubo, T., H. Yamaguchi, and M. Tsujimura, Y. Hagiwara, R. Fukumori. 2000. Blockade Of Angiotensin Receptors In The Anterior Hypothalamic Preoptic Area Lowers Blood Pressure In DOCA-Salt Hypertensive Rats. *Hypertension Research*, 23 (2) : 110.
- Kusriningrum, R. S. 2010. *Perancangan Percobaan*. Surabaya. Airlangga University Press.
- Lasse`gue, B. and K.K. Griendling. 2004. Reactive Oxygen Species in Hypertension. *American Journal of Hypertension*, 17 : 852-856.
- Lee, M.Y., and K.K. Griendling. 2008. Redox Signaling, Vascular Function, and Hypertension. *Mary Ann Liebert Incorporation Publishers*, 10(6) : 1051.
- Ledesma, B.H., B. Miralles, L. Amigo, M. Ramos, and I. Recio. 2005. Identification of antioxidant and ACE-inhibitory peptides in fermented milk. *Journal of the Science of Food and Agriculture*, 85 : 1045-1047.
- Li, L., G.D. Fink, S.W. Watts, C.A. Northcott, J.J. Galligan, P.J. Pagano, and A.F. Chen. Endothelin-1 Increases Vascular Superoxide via Endothelin_A-NADPH Oxidase Pathway in Low-Renin Hypertension. *American Heart Association Journal*, 107 : 1053 – 1056.
- Lobo, V., A. Patil, A. Pathak, and N. Chandra. 2010. Free radicals, antioxidants and functional foods: Impact on human health. *Pharmacognosy Reviews*, 4(8) : 1-1.

- Lommis, D.E., J.C. Sullivan, D.A. Osmond, D.M. Pollock, and S. Jennifer. 2005. Endothelin Mediates Superoxide Production and Vasoconstriction through Activation of NADPH Oxidase and Uncoupled Nitric-Oxide Synthase in the Rat Aorta. *The Journal of Pharmacology and Experimental Therapeutics*. 315(3) : 1058-1059.
- Macotpet, A., F. Suksawat, P. Sukon, K. Pimpakdee, E. Pattarapanwichien, R. Tangrassameeprasert, and P. Boonsiri, P. 2013. Oxidative Stress In Cancer-Bearing Dogs Assessed By Measuring Serum Malondialdehyde. *BMC Veterinary Research*, 9 : 101.
- Martin, N.C. A.A. Pirie, L.V. Ford, C.L. Callaghan, K.L.D. McTurk, and D.G. Scrimger. 2006. The use of phosphate buffered saline for the recovery of cells and spermatozoa from swabs. *Science & Justice*, 46(3) : 2,4.
- McPhee, S.J. and W.F. Ganong. 2006. *Pathophysiology of Disease : An Introduction to Clinical Medicine*. Fifth Edition. The McGraw-Hill Companies, Inc. United States of America. 317.
- Meisel, H. 2005. Biochemical Properties of Peptides Encrypted in Bovine Milk Proteins. *Current Medicinal Chemistry*, 12 : 1907.
- Neves, M.F., B.D. Arthur, A.R. Cunha, and F. Medeiros. 2011. Vascular Dysfunction as Target Organ Damage in Animal Models of Hypertension. *International Journal of Hypertension*, 2012 : 1-2.
- Noori, S., Q.A. Sikandar, R. Saleem, and T. Mahboob. 2010. Biochemical Evaluation of Captopril on Oxidative Status, Membrane Electrolytes and Hemodynamics. *Pakistan Journal of Life and Social Sciences*, 8(1) : 59-60.
- Oner, Z. 2011. Determination Of Antioxidant Activity Of Bioactive Peptide Fractions Obtained From Yogurt. *Journal of American Dairy Science*. 94 :5305–5314.
- Osborn, J.W., M.D. Hendel, J.P. Collister, A.A. Guzman, and G.D. Fink. 2011. The role of the subfornical organ in angiotensin II–salt hypertension in the rat. *Experimental Physiology*. 97 (1) : 80–88.
- Papadimitriou, C.G., A.V. Mastrojiannaki, S.V. Silva, A.M. Gomes, F.X. Malcata, and E. Alichanidis, 2007. Identification Of Peptides In Traditional And Probiotic Sheep Milk Yoghurt With Angiotensin I-Converting Enzyme (ACE)-Inhibitory Activity. *Food Chemistry*, 105 (2) : 647-656.

- Park, Y.W. 2009. *Bioactive Components in Milk and Dairy Products*. Wiley-Blackwell. United States of America. 48-50, 54, 240.
- Pazil, S.N.B.T. 2009. Perbandingan Aktivitas Antioksidan Ekstrak Daging Pisang Raja (*Musa Aab 'Pisang Raja'*) dengan Vitamin A, Vitamin C, dan Katekin Melalui Penghitungan Bilangan Peroksida [Skripsi]. Fakultas Kedokteran. Universitas Indonesia.
- Phil, P.F. and J.W. Sear. 2004. Hypertension: pathophysiology and treatment. Continuing Education in Anaesthesia, *Critical Care and Pain*, 4(3) : 73-75.
- Pihlanto, A. 2006. Antioxidative Peptides Derived from Milk Protein. *International Dairy Journal*, 16 : 1306-1311.
- Pradono, J., T. Afifah, dan S. Supomo, S. 2012. Model Intervensi Hipertensi di Kabupaten Lebak Provinsi Banten. *Buletin Penelitian Sistem Kesehatan* 15(2) : 155.
- Prahalatan, P., S. Kumar and B, Raja. 2012. Effect Of Morin, A Flavonoid Against Doca-Salt Hypertensive Rats: A Dose Dependent Study. *Asian Pacific Journal of Tropical Biomedicine*, 443-448.
- Pu, Q, M.F. Neves, A. Virdis, R.M. Touyz, and E.L. Schiffrin. 2003. Remodeling Endothelin Antagonism on Aldosterone-Induced Oxidative Stress and Vascular. *Journal of American Heart Association*, 42 : 49, 51-54.
- Puspawati, G.A.K.D. 2009. Kajian Aktivitas Proliferasi Limfosit Dan Kapasitas Antioksidan Sorgum (*Sorghum Bicolor L Moench*) Dan Jewawut (*Pennisetum Sp*) Pada Tikus *Sprague Dawley*. Institut Pertanian Bogor. Bogor.
- Reilly, J.S. 2001. *Euthanasia of Animal Used for Scientific Purposes*. ANZCCART., Adelaide. 11,3.
- Renna, N.F., N. Heras, and R.M. Miatello. 2013. Pathophysiology of Vascular Remodelling in Hypertension. *International Journal of Hypertension*, 2013 : 1-6.
- Ridwan, E. 2013. Etika Pemanfaatan Hewan Percobaan dalam Penelitian Kesehatan. *Journal of the Indonesian Medical Association*, 63(3) : 114.

- Rocha, W.A., W. Lunz, M.P. Baldo, E.B. Pimentel, E.M. Dantas, S.L. Rodrigues and J.G. Mill. 2010. Kinetics of Cardiac And Vascular Remodeling by Spontaneously Hypertensive Rats After Discontinuation of Long-Term Captopril Treatment. *Brazilian Journal of Medical and Biological Research*, 43(4) : 390, 395.
- Ruiz, J.A.G., G. Taborda, M. Ramos, L. Amigo, and E. Molinas. 2007. Sensory and Mass Spectrometric Analysis of the Peptidic Fraction Lower Than One Thousand Daltons in Manchego Cheese. *Journal Dairy Science*, 90 : 4966, 4968.
- Sattayasai, Nison. 2012. *Chemical Biology : Protein Purification*. InTech.Kroasia. 6-7.
- Savoia, C. and E.L. Schiffrin. 2006. Inflammation in hypertension. *Current Opinion in Nephrology and Hypertension*, 15 : 153-154.
- Schiffrin, E.L. 2010. Circulatory Therapeutics: Use of Antihypertensive Agents and Their Effects on The Vasculature. *Journal of Cellular and Molecular Medicine*, 14(5) : 1019.
- Schiffrin, E.L. 2012. Vascular Remodeling in Hypertension : Mechanisms and Treatment. *American Heart Association Journal*, 59 : 367.
- Séverin, S. and X. Wenshui. 2005. Milk Biologically Active Components as Nutraceuticals. *Food Science and Nutrition*, 45 : 645–656.
- Shanti, C.N., R. Gupta, and A.K. Mahato. 2010. A Review on Captopril Oral Sustained or Controlled Release Formulations. *International Journal of Drug Development & Research*, 2(2) : 257.
- Sharma, P.K., N.S. Vyawahare, and A. Ladhha. 2010. Preclinical Screening Models For Hypertension In Rodents. *Pharmacologyonline*, 3: 458.
- Sharp, P. and J. Villano. 2013. *The Laboratory Rat*. Second Edition. CRC Press. United States of America. 16.
- Silanikove, N., G. Leitner, U.Merin, C.G. Prosser. 2010. Recent Advances In Exploiting Goat's Milk : Quality, Safety and Production Aspects. *Small Ruminant Research*, 89 : 110-114.
- Silva, S.V., A. Pihlanto, and F.X. Malcata. 2006. Bioactive Peptides in Ovine and Caprine Cheeselike Systems Prepared with Proteases from *Cynara cardunculus*. *Journal of Dairy Science*, 89 (9) : 3337.

- Sjakoer, N.A.A., dan N. Permatasari. 2011. Mekanisme Deoxycorticosterone Acetate (Doca)-Garam Terhadap Peningkatan Tekanan Darah Pada Hewan Coba. *El-Hayah*, 1(4) : 207-209.
- Sousa, T., J. Afonso, A.A. Teixeira, and F. Carvalho. 2012. *Lipid Peroxidation and Antioxidants in Arterial Hypertension*. InTech. Kroasia.
- Suanarunsawat, T., W.D. Ayutthaya, T. Songsak, S. Thirawarapan, S. Pongshompoo. 2011. Lipid-Lowering and Antioxidative Activities of Aqueous Extracts of *Ocimum sanctum* L. Leaves in Rats Fed with a High-Cholesterol Diet. *Oxidative Medicine and Cellular Longevity Journal*, 6.
- Suckow, M.A., S.H. Weisbroth, C.L. Franklin. 2006. *The Laboratory Rat*. Second Edition. Elsevier Academic Press. San Diego. 671-676.
- Sudirman, S. 2011. Aktivitas Antioksidan Dan Komponen Bioaktif Kangkung Air (*Ipomoea aquatica* Forsk.) [Skripsi]. Fakultas Perikanan dan Ilmu Kelautan. Institut Pertanian Bogor.
- Tamime, AY. 2002. Fermented Milks: A Historical Food With Modern Applications. *European Journal of Clinical Nutrition*, 56 (4) : S4.
- Tista, G.N.B. 2011. Pemberian Ekstrak Buah Mengkudu (*Morinda Citrifolia* L) Menurunkan Tekanan Darah Tikus Putih Jantan Galur Wistar (*Rattus Norvegicus*) yang Hipertensi [Tesis]. Program Magister Ilmu Biomedik. Universitas Udayana.
- Valko, M., D. Leibfritz, J. Moncol, M.T.D. Cronin, M. Mazur, and J. Telser. 2007. Free radicals and Antioxidants In Normal Physiological Functions and Human Disease. *The International Journal of Biochemistry & Cell Biology*, 39 : 47-51.
- Vaziri, N.D. 2008. Causal Link Between Oxidative Stress, Inflammation, and Hypertension. *Iranian Journal of Kidney Diseases*, 2(1) : 2-7.
- Veta, M., M.A. Viergever, J.P.W. Pluim, N. Stathonikos, and P.J. Diest. 2013. Assessment of Mitosis Detection Algorithms (AMIDA13). Medical Image Computing and Computer Assisted Intervention Grand Challenge. Japan. 6-7.
- Wati, I.P., Aulanni'am dan C. Mahdi. 2013. Aktivitas Protease dan Gambaran Histologi Ginjal Tikus Putih (*Rattus norvegicus*) Pasca Induksi Cyclosporine-A. *Kimia Student Journal*, 1(2) : 257-263.

- Widyowati, W., R. Safitri, R. Rumumpuk, dan M. Siahaan. 2005. Penapisan Aktivitas Superoksida Dismutase Pada Berbagai Tanaman. *Jurnal Kesehatan Masyarakat*, 5(1) : 34-36.
- Winarsi, H. 2007. *Antioksidan Alami dan Radikal Bebas*. Yogyakarta. Kanisius. 26-40.
- Yusnandar, M.E. 2003. *Aplikasi Analisis Rancangan Acak Lengkap dalam Pengolahan Data Hasil Penelitian Percobaan Pakan Ternak pada Kambing Induk*. Prosiding Temu Teknis Fungsional Non Peneliti. Bogor.
- Yustika, A.R., Aulanni'am dan S. Prasetyawan. 2013. Kadar Malondialdehid (MDA) dan Gambaran Histologi Pada Ginjal Tikus Putih (*Rattus Norvegicus*) Pasca Induksi *Cylosporine-A*. *Kimia Student Journal*, 1(2) : 224,226.
- Zalba, G., G.S. José, M.U. Moreno, M.A. Fortuño, A. Fortuño, F.J. Beaumont, and J. Diez. 2001. Oxidative Stress in Arterial Hypertension: Role of NAD(P)H Oxidase. *American Heart Association Journal*, 38 : 1395 – 1396.

